

**Amendments to the Specification**

Please replace the first paragraph on page 18, lines 1 to 7, with the following amended paragraph:

-- GB-D DNA polymerases; RNA-polymerases such as *E. coli*, SP6, T3 and T7 RNA polymerases; and reverse transcriptases such as AMV, M-MuLV, MMLV, RNase H-MMLV (SuperScript® polymerase), SuperScript® II polymerase, ThermoScript® polymerase, HIV-1, and RAV2 reverse transcriptases. All of these enzymes are commercially available. Exemplary polymerases with multiple specificities include RAV2 and *Tli*(exo-)polymerases. Exemplary thermostable polymerases include *Tub*, *Taq*, *Tth*, *Pfx*, *Pfu*, *Tsp*, *Tfl*, *Tli* and *Pyrococcus sp.* GB-D DNA polymerases.--

Please replace the paragraph beginning on page 24, line 22 and ending on page 25, line 6, with the following amended paragraph:

-- Exemplary fluorescent dyes include fluorescein, 6-FAM, rhodamine, Texas Red®, tetramethylrhodamine, a carboxyrhodamine, carboxyrhodamine 6G, carboxyrhodol, carboxyrhodamine 110, Cascade Blue® dye, Cascade Yellow™ dye, coumarin, Cy2® dye, Cy3® dye, Cy3.5® dye, Cy5® dye, Cy5.5® dye, Cy-Chrome™ dye, phycoerythrin, PerCPT™ dye (peridinin chlorophyll-a Protein), PerCP-CY™5.5 dye, JOE(6-carboxy-4',5'-dichloro-2',7'-dimethoxyfluorescein), NED™ dye, ROX™ dye (5-(and 6)-carboxy-X-rhodamine), HEX™ dye, Lucifer Yellow, Marina Blue™ dye, Oregon Green® 488 dye, Oregon Green® 500 dye, Oregon Green® 514 dye, Alexa Fluor® 350 dye, Alexa Fluor® 430 dye, Alexa Fluor® 488 dye, Alexa Fluor® 532 dye, Alexa Fluor® 546 dye, Alexa Fluor® 568 dye, Alexa Fluor® 594 dye, Alexa Fluor® 633 dye, Alexa Fluor® 647 dye, Alexa Fluor® 660 dye, Alexa Fluor® 680 dye, 7-amino-4-methylcoumarin-3-acetic acid, BODIPY®-FL dye, BODIPY® FL-BR<sub>2</sub> dye, BODIPY® 530/555 dye, BODIPY® 558/568 dye, BODIPY® 564/570 dye, BODIPY® 576/589 dye,

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**PATENT**

BODIPY® 581/591 dye, BODIPY® 630/650 dye, BODIPY® 650/665 dye, BODIPY® R6G dye,  
BODIPY® TMR dye, BODIPY® TR dye, conjugates thereof, and combinations thereof.

Exemplary lanthanide chelates include europium chelates, terbium chelates and samarium chelates. --